FINGERTEC

SM800-01

AC800 Series Fingerprint Reader Service Manual

JULY 2005 • VERSION 1

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Chapter 1: General Descriptions of AC800 Series Fingerprint Reader

Model	:	**AC801 / AC802 / AC803 / AC801WG**
Template Size	:	**1k (AC801) / 1.5k (AC802) / 2.8k (AC803)**
Transaction Storage	:	**30k (AC801) / 100k (AC802) / 120k (AC803)**
Communication	:	**RS232, RS485, TCP/IP; Wiegand**
Identification Time	:	**< = 2s**
FAR	:	**< = 0.0001%**
FRR	:	**< = 1%**
Time Zone	:	**50 settings**
Temperature	:	**0 - 45°C**
Power	:	**12VDC @ 1A**
Size	:	**150(W) x 145(H) x 38.5(D) mm**

Overview

- One to many identification
- One to one verification
- 10 fingers enrollment per user
- Standalone and/or networked operation
- 50 definable time zones
- Integrated wall mount design
- Power management
- In-Out reader configuration
- Voice greetings
- Wireless doorbell
- Separate control of EM-Lock
- 26-bit Wiegand output (for WG model only)

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Chapter 2: Components – Details and Functions

2.0 Components Assembly

Figure 2.1 Front view of AC800

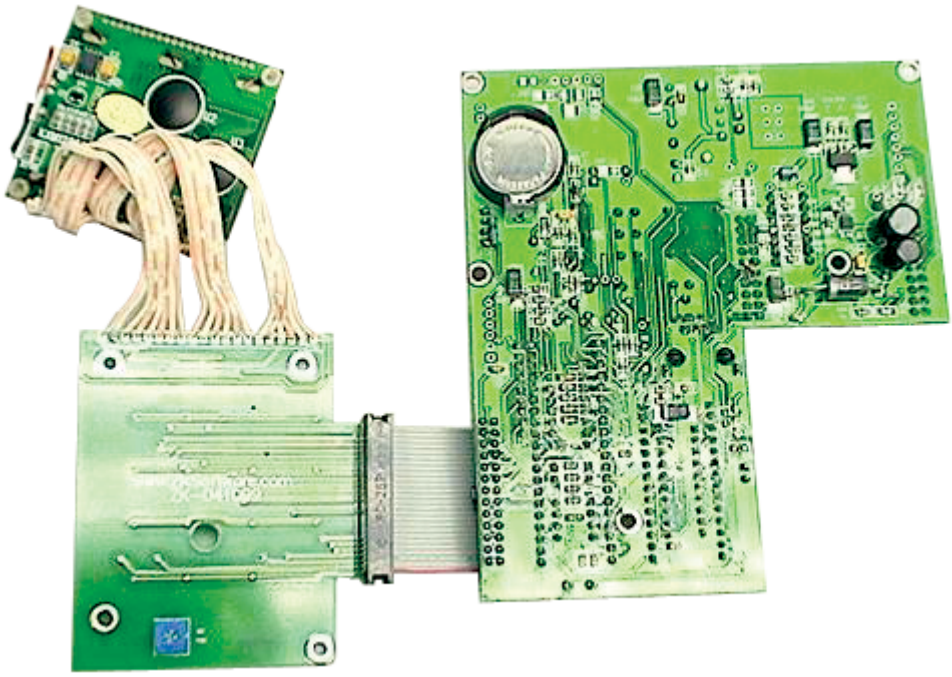

Figure 2.2 Components inside reader

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2.1 Details of Parts

2.1.1 LCD Display Board

LCD display board for AC800 series is connected to keypad board during factory assembly. LCD functions to display text messages to user. It will prompt the user for necessary actions. For AC800 series reader, the dimension of the LCD screen is 128x64 pixels (2.7cm X 4.2cm).

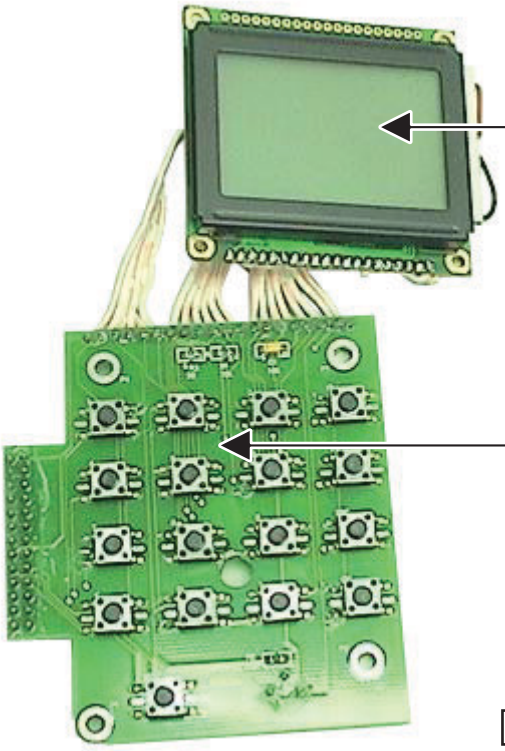

Figure 2.3 Front view of LCD Display board

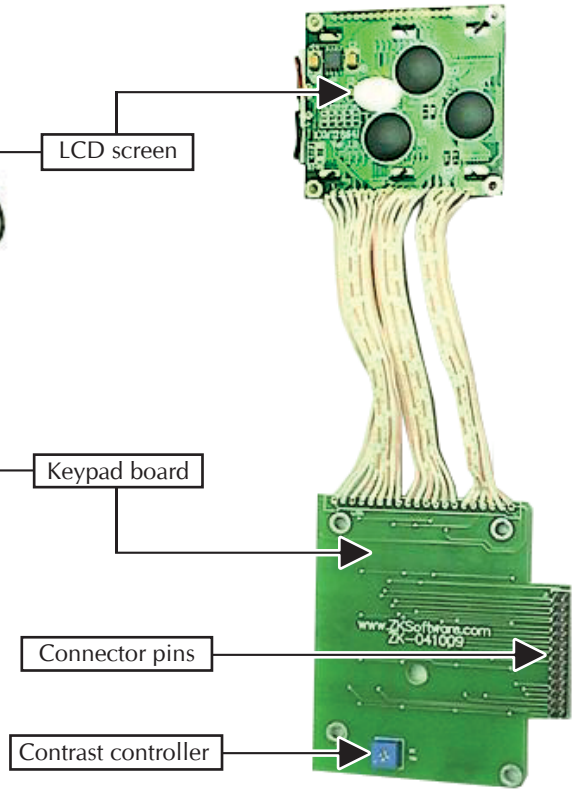

Figure 2.4 Back view of LCD Displaying board

- Connector Pins
  A cable to controller board connects this part. Improper connection could cause no LCD display when reader is turned on.

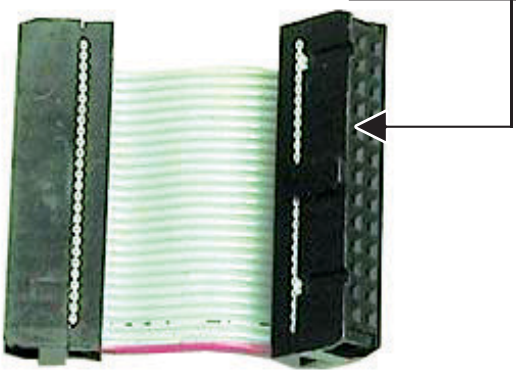

Figure 2.4 IDE cable

This IDE cable is used to connect keypad to the controller board. This IDE cable is plugged into the connector pins on the keypad board and controller board.
Please use the diagram below during plugging in of the IDE cable.

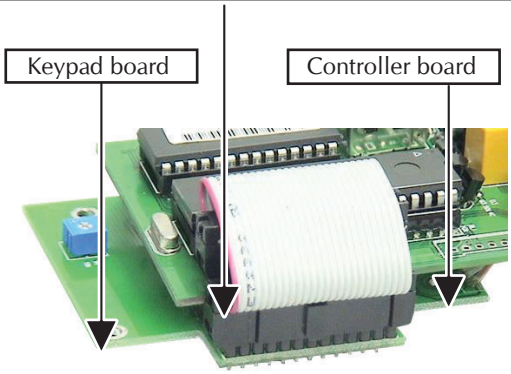

Figure 2.5 Connections between controller board & keypad board

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